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### Search Results -

Terms	Documents
6796487	1

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### Search History

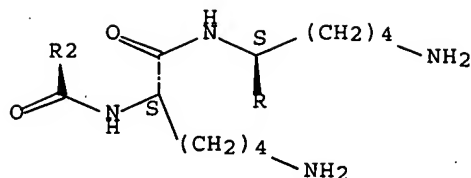
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side by side			result set

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<u>L5</u>	6796487	1	<u>L5</u>
<u>L4</u>	6867018	1	<u>L4</u>
<u>L3</u>	6790610	4	<u>L3</u>
<del><u>L2</u></del>	<del>67906414</del>	<del>0</del>	<del><u>L2</u></del>
<u>L1</u>	6844148	4	<u>L1</u>

END OF SEARCH HISTORY



L22 ANSWER 4 OF 25 CAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 4

ACCESSION NUMBER: 2003:949917 CAPLUS Full-text

DOCUMENT NUMBER: 140:24832

TITLE: Purification, cloning and sequences of human and murine  $\beta$ -secretase and applications indiagnostics and treatment of Alzheimer's disease  
INVENTOR(S): Anderson, John P.; Basi, Gurqbal; Doane, Minh Tam;  
Frigon, Normand; John, Varghese; Power, Michael;  
Sinha, Sukanto; Tatsuno, Gwen; Tung, Jay; Wang, Shuwen; Mcconlogue, Lisa

PATENT ASSIGNEE(S): Elan Pharmaceuticals Inc, USA

SOURCE: Brit. UK Pat. Appl., 121 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 4

PATENT INFORMATION:

NL - AA  
 SynLeu - Ala Ala

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2389182	A1	20031203	GB 2003-18113	20000210
GB 2389182	B2	20040204		
GB 2364059	A1	20020116	GB 2001-21314	20000210
GB 2364059	B2	20040114		
EP 1445263	A1	20040811	EP 2004-6991	20000210
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY				
US 6627739	B1	20030930	US 2000-724566	20001128
US 7067271	B1	20060627	US 2000-724571	20001128
US 7109017	B1	20060919	US 2000-724569	20001128
US 7115410	B1	20061003	US 2000-723722	20001128
HK 1062377	A1	20050324	HK 2004-104024	20020618
HK 1062474	A1	20050324	HK 2004-104025	20020618
HK 1062445	A1	20050324	HK 2004-104027	20020618
AU 2004203403	A1	20040819	AU 2004-203403	20040726
US 2005170489	A1	20050804	US 2005-69377	20050228
US 2005164327	A1	20050728	US 2005-89918	20050325
US 2005164294	A1	20050728	US 2005-90866	20050325
US 2005177888	A1	20050811	US 2005-90872	20050325
US 2005196839	A1	20050908	US 2005-90399	20050325

PRIORITY APPLN. INFO.:

US 1999-119571P	P	19990210
US 1999-139172P	P	19990615
GB 2001-21314	A3	20000210
US 1999-139712P	P	19990617
US 1999-471669	A2	19991224
AU 2000-40009	A3	20000210
EP 2000-919298	A3	20000210
US 2000-501708	A1	20000210

WO 2000-US3819  
US 2000-723722  
HK 2002-104530

W 20000210  
A1 20001128  
A 20020618

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ED Entered STN: 05 Dec 2003

AB The invention provides a method of purifying  $\beta$ -secretase, comprising contacting an impure sample comprising  $\beta$ -secretase activity with an affinity matrix which includes a  $\beta$ -secretase inhibitor. In a preferred embodiment, the inhibitor comprises a peptide having the sequence VMXVAEF, wherein X is hydroxyethylene or statine,  $\beta$ -secretase gene isolated from a mouse, and a  $\beta$ -secretase protein purified to apparent homogeneity is disclosed. In a number of alternative embodiments, the human  $\beta$ -secretase sequence, methods of screening and use thereon inhibitors thereof, a mouse  $\beta$ -secretase gene sequence and a knock-out mouse deleted for the endogenous  $\beta$ -secretase gene are disclosed. The  $\beta$ -secretase inhibitors of the invention can be used for the treatment of Alzheimer's disease.

IT 288310-82-7

RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(purification, cloning and sequences of human and murine  $\beta$ -secretase and applications in diagnostics and treatment of Alzheimer's disease)

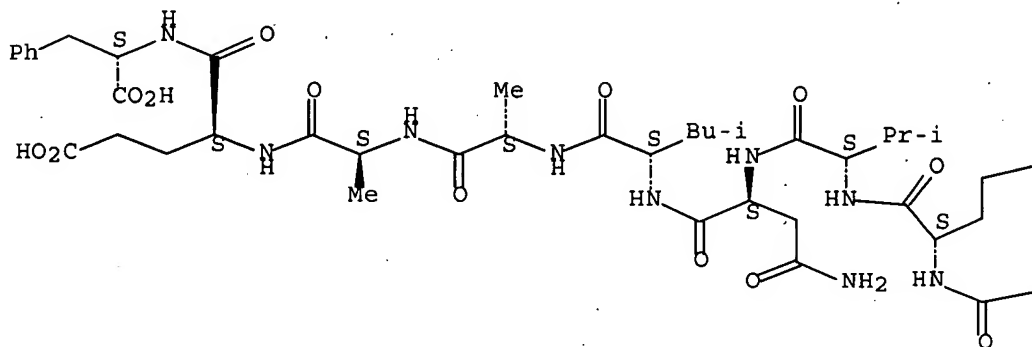
RN 288310-82-7 CAPLUS

CN L-Phenylalanine, L-seryl-L- $\alpha$ -glutamyl-L-valyl-L-asparaginyl-L-leucyl-L-alanyl-L-alanyl-L- $\alpha$ -glutamyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

NL-AA  
Asparten-Ala Ala

PAGE 1-A



PAGE 1-B

—CO<sub>2</sub>H

